

What is claimed is:

1. A hydrostatic cylinder block comprising:
a cylinder block body having a center bore, a uniformly
5 spaced radially located cylindrical bores and a lip at a
first end;
a base plate having a center opening, uniformly spaced
radially located arcuate kidney-shaped openings, and a
flange that matingly connects to the lip at the first
10 end of the cylinder block;
a wave spring disposed through the center opening of the
cylinder block; and
a hub partially disposed through the center opening of the
cylinder block.
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2. The hydrostatic cylinder block of claim 1 wherein at a
starting position the hub is free from contact with the wave
spring.
- 20 3. A method of making a cylinder block for a rotatable
hydrostatic power member, comprising steps of:
forming a base plate having a center opening with arcuate
kidney-shaped uniformly spaced radially located bores
and a flange;
25 forming a cylinder block having a center cylindrical bore,
uniformly spaced radially located cylindrical bores
having a smaller diameter than the center cylindrical
bore, and a lip that mates with the flange of the base
plate;
30 securing the base plate to the cylinder block along the lip
and flange;
disposing a wave spring through the center cylindrical bore;

forming a hub and disposing the hub through the center cylindrical bore so that the hub is partially within the cylinder block.

5 4. The method of claim 3 wherein the base plate is formed by near net shaping technologies comprising one of powder metal, forging, stamping, lost foam, or extrusion.

10 5. The method of claim 4 wherein the cylinder block is formed by near net shaping technologies comprising one of powder metal, forging, stamping, lost foam, or extrusion.

15 6. The method of claim 4 wherein the hub is formed by near net shaping technologies comprising one of powder metal, forging, stamping, lost foam, or extrusion.

20 7. The method of claim 3 wherein the base plate is secured to the cylinder block using resistance welding.